SecuRemote Requirements

In order to use SecuRemote, you will need to meet the requirements listed.

(1) The ability to send and receive Internet communications with EPA using the ports and protocols:

Bi-directional Communications Required for SecuRemote

50 IP (IPSEC Encapsulating Security Payload Protocol)

51 IP (IPSEC Authentication Header Protocol)

256 TCP (Check Point VPN_1 FireWall_1 Service)

264 TCP (Check Point SecuRemote Topology Requests)

265 TCP (Check Point VPN_1 Public Key Transfer)

500 UDP (IPSEC Internet Key Exchange)

Ports 264 TCP and 500 UDP need free and unrestricted access to IP addresses 134.67.2.4 and 134.67.222.6.

If your network does not support any of these communications ports or protocols, you will **not** be able to connect to EPA using SecuRemote. In order to ensure that you are able to connect using these ports and protocols, it is recommended that you consult with your organization's telecommunications and firewall management personnel before you install SecuRemote.

Note: Dial-up connections to the Internet, through most Internet Service Providers (ISP), normally support these ports and protocols. However, America On-Line (AOL) and CompuServe CANNOT be used as a dial-up ISP to use SecuRemote.

(2) A SecuRemote TSSMS Account Authorization notice.

The TSSMS Account Authorization Notice contains three important pieces of information:

(a) SecuRemote Download Password
(b) SecuRemote TSSMS User ID
(c) SecuRemote Initial Password

Note: Users currently registered in TSSMS through a mainframe account will use their current TSSMS User-ID. Only users without a mainframe account will receive a new TSSMS User ID.

(3)   A computer with Windows 95, Windows 98, or Window NT 4.0 that can connect to the Internet.

> **Note: The computer must not have America On-Line (AOL) or CompuServe installed on the computer. In order to use a computer on which AOL or CompuServe are installed, you must completely remove AOL or CompuServe from the system.**

(4) An HTML browser that supports 128 bit "Strong" or "US" encryption.

Netscape 4.06 or higher with 128 bit encryption or Microsoft Internet Explorer version 5 are HTML browsers that meet this requirement.

(5) The pre-configured SecuRemote software which is available from the EPA must be installed and operating on your computer.

Consult the document SecuRemote Installation Instructions for the details about installing the SecuRemote software on your computer.

> **Note: The SecuRemote software must be obtained from the EPA. Another version of the SecuRemote software cannot be used to obtain access to the EPA.**

(6) Windows registry settings for use with SecuRemote. On workstations where the upload or download of a file starts transmitting the first packet and immediately stalls, it may be necessary to edit the TCP/IP registry settings. These settings are especially important for SecuRemote installations operating in conjunction with high speed communications with a router or firewall.

Windows 9x:

For a dial-up adapter, open the Control Panel, and run the Network applet. Select the Dial-Up Adapter and click on the Properties button. Select the Advanced tab and set the IP Packet Size property to "Small."

Click "OK" to quit the applet and apply the change.
Shutdown and restart Windows.

For a network adapter (NIC), run the Registry Editor (REGEDIT.EXE) program to add two values to the registry key:

HKEY_LOCAL_MACHINE\System\CurrentControlSet\
    Services\Class\netTrans\000n

where n is the TCP/IP binding associated with your NIC. You will be able to easily tell as the IP address will be listed in this hive.

Note that MaxMSS should be 40 less than MaxMTU.

Value Name: MaxMTU
Data Type: String
DATA: 576

Value Name: MaxMSS
Data Type: String
DATA: 536

Exit from the Registry Editor. Shutdown and restart Windows.

Windows NT ServicePack 3 or later (with the appropriate hotfixes):

Open a MS-DOS command prompt and type IPCONFIG.EXE. This will display the adapter bound to TCP/IP protocol. Substitute the Ethernet adapter name listed for the <adapter name and #> placeholder in the registry key below.

Run the Registry Editor (SYSTEM32\REGEDT32.EXE) program to add or edit the TCP/IP MTU value.

Locate the HKEY_LOCAL_MACHINE subtree and go to the following key:

\SYSTEM\CurrentControlSet\Services\<adapter name and #>
        \Parameters\Tcpip

Value Name: MTU
Data Type: REG_DWORD
Data: 1250

Exit from the Registry Editor. Shutdown and restart Windows.